

Process & Systems

METERING, PROCESS PUMPS AND DOSING PACKAGES



Архангельск (8182)63-90-72
Астана +7(7172)727-132
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Орел (4862)44-53-42
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Пенза (8412)22-31-16
Пермь (342)205-81-47
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Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Тверь (4822)63-31-35
Томск (3822)98-41-53
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Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

сайт: www.seko.nt-rt.ru || эл. почта: sok@nt-rt.ru

Since 50 years SEKO have linked their success to a wide range of industrial fields by supplying complete dosing pumps and packages throughout the world.

SEKO develops its own projects to best solve metering and pumping problems relating to different fluid properties and plant operating conditions.



Committed to customer satisfaction

SEKO is as a true technological leader partnering each individual customer from the preliminary stage of the project through to the ordering, design, manufacturing and after sales technical assistance.

A team of skilled engineers, operating with sophisticated CAD stations, 3D modelling and FE software, currently provides for the design and engineering of systems according to the most demanding international standards, such as ASME, ANSI, BS, API and as required by the customer project specifications.

A total engineering and comprehensive supply approach can be undertaken according to clients requirements.

- **Customer proximity**
- **Reaction time**
- **Service (post sales)**
- **Assist customers during engineering stage**
- **Implement (eventual) design changes in real time**
- **Higher competitiveness**





Organisation and services

Components and instruments for the systems construction are purchased via our world-wide logistic platform as per the contract vendor list.

Diaphragm and plunger type, process and metering pumps are produced by SEKO to its own proprietary designs, covering a wide range of performances:

- Plunger metering pumps (according to API 675) for flow rates up to 15,000 l/h and pressures up to 2,000 bar;
- Diaphragm metering pumps (according to API 675) for flow rates up to 15,000 l/h and pressure up to 300 bar;
- Reciprocating Triplex process pumps (according to API 674) for flow rates up to 57,000 l/h and pressures up to 1,150 bar.

SEKO is currently operating according to UNI EN ISO 9001:2000 Quality System's audited and certified by DET NORSKE VERITAS (DNV).

- **Quality Control**
- **State-of-the-art product design**
- **R&D and innovation**
- **Financial solidity**



Application areas

The main industrial application areas for the dosing/injection packages designed and produced by SEKO are:

- Oil & Gas (on-shore, off-shore, FPSO)
- Petrochemical
- Energy (boilers, desalination, cooling towers, environment).

In addition SEKO currently supplies pumps and systems to the:

- Water treatment (municipalities, wastewater)
- Industrial sectors (steel, ceramics, food & beverages, detergents, paper, textile and pharmaceutical industries).

Logistics

A network of subsidiaries, agents and distributors around the world completes the range of technical and commercial services provided in all the major areas of interest for the industrial applications of the “packages” supplied by SEKO.

Chemical dosing/injection



Injection Package



Phosphate, Oxygen Scavenger, Amine and Corrosion Inhibitor Dosing Packages



Phosphate Injection Package



Chemical Dosing Package.

packages



Corrosion inhibitor, Antifoam and Antiscaling Injection Package



Glycol and Corrosion Inhibitor Injection Package



Antifoam and Antiscaling Dosing Package

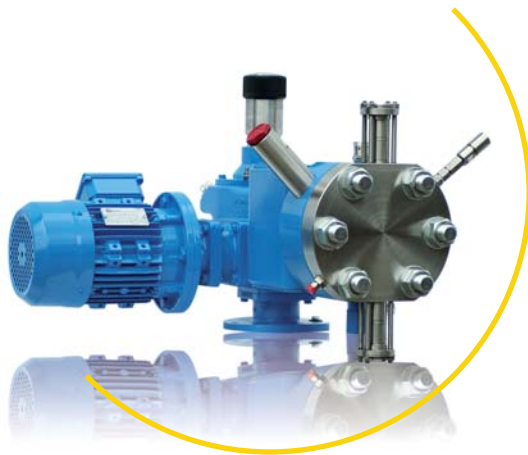


Sulphuric Acid, Biodispersant, Scale Inhibitor and Biocide Dosing Package.



Antifoam, Antiscaling, Ferrous Sulphate and Sodium Sulphite Dosing Package

Metering & Process pumps



Nexa Series

Plunger and hydraulic double diaphragm metering pumps

Liquid end: SS 316L, PP, PVDF, different material on request

Flow-rate adjustment: manual, electrical 4÷20 mA, Pneumatic 3-15 psig and/or SMART (protocol HART) servomotor and/or by frequency converter drivers

Multiple head execution with different mechanism size and gear ratio

API 675 Standards – CE and ATEX marking

Pressure up to 200 bar

Flow rate up to 2650 l/h



K Series

Plunger metering pumps with spring return mechanism

D Series

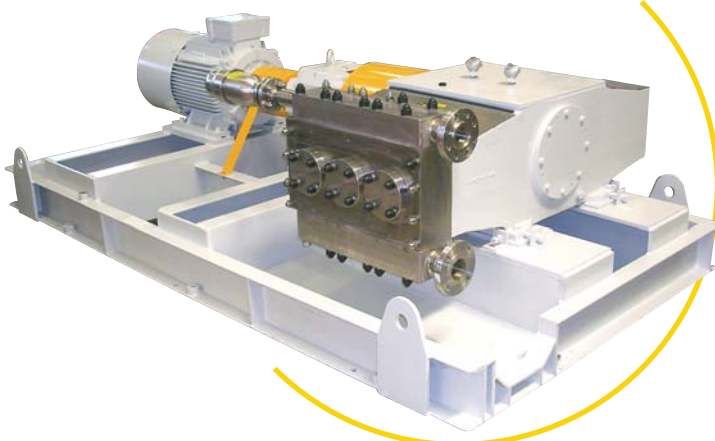
Mechanical diaphragm metering pumps with spring return mechanism

Liquid end: SS 316 L or PVC

Flow-rate adjustment: manual, electrical 4÷20 mA or Pneumatic servomotor 3-15 psig servomotor

Pressure up to 20 bar

Flow rate up to 1000 l/h



3C TRIPLEX Series

Three Plunger Reciprocating Pumps

Liquid end: SS 316 L, 304 SS or CS pump-head, different material on request

Flow-rate adjustment: via Frequency Converter

API 674 standard

Double head execution

Pressure up to 1200 bar

Flow rate from 1.000 to 60.000 l/h



Polycendos

Automatic polyelectrolyte preparation system continuous-flow in stainless steel and polypropylene

- Deposits made entirely of stainless steel and PPH, with inspection covers and emptying valves for each compartment.
 - Customised propellers, optimised to obtain a homogeneous mixture, made of stainless steel.
 - Batching screw made entirely of stainless steel with batching adjustment using the precise speed variator.
 - Electric protection and control panel, with built-in or touchscreen synoptic panel, designed for manual/automatic operation, equipped with emergency stop and wiring to all system components.
 - Conductive level probes for high, low and very low levels with audible warning.
- Flow rate** from 550 to 3.000 l/h



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